## INTERNATIONAL SEARCH REPORT

PCT/IB2004/051449 CLASSIFICATION OF SUBJECT MATTER PC 7 G11B7/007 G11E G11B7/24 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2002/060978 A1 (HIROTSUNE AKEMI ET AL) 1-3,5, 23 May 2002 (2002-05-23) 12-15, 22-24 paragraph '0119! - paragraph '0539!: figures EP 1 039 451 A (SAMSUNG ELECTRONICS CO., LTD) 27 September 2000 (2000-09-27) paragraph '0020! - paragraph '0037!; figures X EP 1 103 957 A (VICTOR COMPANY OF JAPAN, 1,2,12, LTD) 30 May 2001 (2001-05-30) 13,22,23 page 5, paragraph 53 - page 16, paragraph 146; figures Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'A' document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date 'L' document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the ctairned invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. \*O\* document referring to an oral disclosure, use, exhibition or other means document published prior to the International filing date but later than the priority date claimed \*&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 8 April 2005 20/04/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

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